

P03388US0_Seq_Listing.txt
SEQUENCE LISTING

<110> Ajit Lalvani
 <120> Diagnostic Test
 <130> HO-P03388US0
 <140> 10/593,384
 <141> 08-29-2008
 <150> PCT/GB2005/001062
 <151> 2005-03-21
 <150> GB 0406271.7
 <151> 2004-03-19
 <160> 33
 <170> PatentIn version 3.2
 <210> 1
 <211> 729
 <212> PRT
 <213> Mycobacterium tuberculosis
 <400> 1

Met Ser Ile Thr Arg Pro Thr Gly Ser Tyr Ala Arg Gln Met Leu Asp
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Pro Gly Gly Trp Val Glu Ala Asp Glu Asp Thr Phe Tyr Asp Arg Ala
 20 25 30

Gln Glu Tyr Ser Gln Val Leu Gln Arg Val Thr Asp Val Leu Asp Thr
 35 40 45

Cys Arg Gln Gln Lys Gly His Val Phe Glu Gly Gly Leu Trp Ser Gly
 50 55 60

Gly Ala Ala Asn Ala Ala Asn Gly Ala Leu Gly Ala Asn Ile Asn Gln
 65 70 75 80

Leu Met Thr Leu Gln Asp Tyr Leu Ala Thr Val Ile Thr Trp His Arg
 85 90 95

His Ile Ala Gly Leu Ile Glu Gln Ala Lys Ser Asp Ile Gly Asn Asn
 100 105 110

Val Asp Gly Ala Gln Arg Glu Ile Asp Ile Leu Glu Asn Asp Pro Ser
 115 120 125

Leu Asp Ala Asp Glu Arg His Thr Ala Ile Asn Ser Leu Val Thr Ala
 130 135 140

P03388US0_Seq_Listing.txt

Thr	His	Gly	Ala	Asn	Val	Ser	Leu	Val	Ala	Glu	Thr	Ala	Glu	Arg	Val
145					150					155					160
Leu	Glu	Ser	Lys	Asn	Trp	Lys	Pro	Pro	Lys	Asn	Ala	Leu	Glu	Asp	Leu
				165					170					175	
Leu	Gln	Gln	Lys	Ser	Pro	Pro	Pro	Pro	Asp	Val	Pro	Thr	Leu	Val	Val
			180					185					190		
Pro	Ser	Pro	Gly	Thr	Pro	Gly	Thr	Pro	Gly	Thr	Pro	Ile	Thr	Pro	Gly
		195					200					205			
Thr	Pro	Ile	Thr	Pro	Gly	Thr	Pro	Ile	Thr	Pro	Ile	Pro	Gly	Ala	Pro
	210					215					220				
Val	Thr	Pro	Ile	Thr	Pro	Thr	Pro	Gly	Thr	Pro	Val	Thr	Pro	Val	Thr
225					230					235					240
Pro	Gly	Lys	Pro	Val	Thr	Pro	Val	Thr	Pro	Val	Lys	Pro	Gly	Thr	Pro
				245					250					255	
Gly	Glu	Pro	Thr	Pro	Ile	Thr	Pro	Val	Thr	Pro	Pro	Val	Ala	Pro	Ala
			260					265					270		
Thr	Pro	Ala	Thr	Pro	Ala	Thr	Pro	Val	Thr	Pro	Ala	Pro	Ala	Pro	His
		275					280					285			
Pro	Gln	Pro	Ala	Pro	Ala	Pro	Ala	Pro	Ser	Pro	Gly	Pro	Gln	Pro	Val
	290					295					300				
Thr	Pro	Ala	Thr	Pro	Gly	Pro	Ser	Gly	Pro	Ala	Thr	Pro	Gly	Thr	Pro
305					310					315					320
Gly	Gly	Glu	Pro	Ala	Pro	His	Val	Lys	Pro	Ala	Ala	Leu	Ala	Glu	Gln
				325					330					335	
Pro	Gly	Val	Pro	Gly	Gln	His	Ala	Gly	Gly	Gly	Thr	Gln	Ser	Gly	Pro
			340					345					350		
Ala	His	Ala	Asp	Glu	Ser	Ala	Ala	Ser	Val	Thr	Pro	Ala	Ala	Ala	Ser
		355					360					365			
Gly	Val	Pro	Gly	Ala	Arg	Ala	Ala	Ala	Ala	Ala	Pro	Ser	Gly	Thr	Ala
	370					375					380				
Val	Gly	Ala	Gly	Ala	Arg	Ser	Ser	Val	Gly	Thr	Ala	Ala	Ala	Ser	Gly
385					390					395					400

P03388US0_Seq_Listing.txt

Ala Gly Ser His Ala Ala Thr Gly Arg Ala Pro Val Ala Thr Ser Asp
405 410 415

Lys Ala Ala Ala Pro Ser Thr Arg Ala Ala Ser Ala Arg Thr Ala Pro
420 425 430

Pro Ala Arg Pro Pro Ser Thr Asp His Ile Asp Lys Pro Asp Arg Ser
435 440 445

Glu Ser Ala Asp Asp Gly Thr Pro Val Ser Met Ile Pro Val Ser Ala
450 455 460

Ala Arg Ala Ala Arg Asp Ala Ala Thr Ala Ala Ala Ser Ala Arg Gln
465 470 475 480

Arg Gly Arg Gly Asp Ala Leu Arg Leu Ala Arg Arg Ile Ala Ala Ala
485 490 495

Leu Asn Ala Ser Asp Asn Asn Ala Gly Asp Tyr Gly Phe Phe Trp Ile
500 505 510

Thr Ala Val Thr Thr Asp Gly Ser Ile Val Val Ala Asn Ser Tyr Gly
515 520 525

Leu Ala Tyr Ile Pro Asp Gly Met Glu Leu Pro Asn Lys Val Tyr Leu
530 535 540

Ala Ser Ala Asp His Ala Ile Pro Val Asp Glu Ile Ala Arg Cys Ala
545 550 555 560

Thr Tyr Pro Val Leu Ala Val Gln Ala Trp Ala Ala Phe His Asp Met
565 570 575

Thr Leu Arg Ala Val Ile Gly Thr Ala Glu Gln Leu Ala Ser Ser Asp
580 585 590

Pro Gly Val Ala Lys Ile Val Leu Glu Pro Asp Asp Ile Pro Glu Ser
595 600 605

Gly Lys Met Thr Gly Arg Ser Arg Leu Glu Val Val Asp Pro Ser Ala
610 615 620

Ala Ala Gln Leu Ala Asp Thr Thr Asp Gln Arg Leu Leu Asp Leu Leu
625 630 635 640

Pro Pro Ala Pro Val Asp Val Asn Pro Pro Gly Asp Glu Arg His Met

645

650

655

Leu Trp Phe Glu Leu Met Lys Pro Met Thr Ser Thr Ala Thr Gly Arg
 660 665 670

Glu Ala Ala His Leu Arg Ala Phe Arg Ala Tyr Ala Ala His Ser Gln
 675 680 685

Glu Ile Ala Leu His Gln Ala His Thr Ala Thr Asp Ala Ala Val Gln
 690 695 700

Arg Val Ala Val Ala Asp Trp Leu Tyr Trp Gln Tyr Val Thr Gly Leu
 705 710 715 720

Leu Asp Arg Ala Leu Ala Ala Ala Cys
 725

<210> 2
 <211> 15
 <212> PRT
 <213> Mycobacterium tuberculosis

<400> 2

Met Ser Ile Thr Arg Pro Thr Gly Ser Tyr Ala Arg Gln Met Leu
 1 5 10 15

<210> 3
 <211> 15
 <212> PRT
 <213> Mycobacterium tuberculosis

<400> 3

Pro Thr Gly Ser Tyr Ala Arg Gln Met Leu Asp Pro Gly Gly Trp
 1 5 10 15

<210> 4
 <211> 15
 <212> PRT
 <213> Mycobacterium tuberculosis

<400> 4

Ala Arg Gln Met Leu Asp Pro Gly Gly Trp Val Glu Ala Asp Glu
 1 5 10 15

<210> 5
 <211> 15
 <212> PRT
 <213> Mycobacterium tuberculosis

<400> 5

Asp Pro Gly Gly Trp Val Glu Ala Asp Glu Asp Thr Phe Tyr Asp
1 5 10 15

<210> 6
<211> 15
<212> PRT
<213> Mycobacterium tuberculosis

<400> 6

Val Glu Ala Asp Glu Asp Thr Phe Tyr Asp Arg Ala Gln Glu Tyr
1 5 10 15

<210> 7
<211> 15
<212> PRT
<213> Mycobacterium tuberculosis

<400> 7

Asp Thr Phe Tyr Asp Arg Ala Gln Glu Tyr Ser Gln Val Leu Gln
1 5 10 15

<210> 8
<211> 15
<212> PRT
<213> Mycobacterium tuberculosis

<400> 8

Arg Ala Gln Glu Tyr Ser Gln Val Leu Gln Arg Val Thr Asp Val
1 5 10 15

<210> 9
<211> 15
<212> PRT
<213> Mycobacterium tuberculosis

<400> 9

Ser Gln Val Leu Gln Arg Val Thr Asp Val Leu Asp Thr Cys Arg
1 5 10 15

<210> 10
<211> 15
<212> PRT
<213> Mycobacterium tuberculosis

<400> 10

Arg Val Thr Asp Val Leu Asp Thr Cys Arg Gln Gln Lys Gly His
1 5 10 15

<210> 11
<211> 15
<212> PRT
<213> Mycobacterium tuberculosis

P03388US0_Seq_Listing.txt

<400> 11

Leu Asp Thr Cys Arg Gln Gln Lys Gly His Val Phe Glu Gly Gly
1 5 10 15

<210> 12

<211> 15

<212> PRT

<213> Mycobacterium tuberculosis

<400> 12

Gln Gln Lys Gly His Val Phe Glu Gly Gly Leu Trp Ser Gly Gly
1 5 10 15

<210> 13

<211> 15

<212> PRT

<213> Mycobacterium tuberculosis

<400> 13

Val Phe Glu Gly Gly Leu Trp Ser Gly Gly Ala Ala Asn Ala Ala
1 5 10 15

<210> 14

<211> 15

<212> PRT

<213> Mycobacterium tuberculosis

<400> 14

Leu Trp Ser Gly Gly Ala Ala Asn Ala Ala Asn Gly Ala Leu Gly
1 5 10 15

<210> 15

<211> 15

<212> PRT

<213> Mycobacterium tuberculosis

<400> 15

Ala Ala Asn Ala Ala Asn Gly Ala Leu Gly Ala Asn Ile Asn Gln
1 5 10 15

<210> 16

<211> 15

<212> PRT

<213> Mycobacterium tuberculosis

<400> 16

Asn Gly Ala Leu Gly Ala Asn Ile Asn Gln Leu Met Thr Leu Gln
1 5 10 15

<210> 17

P03388US0_Seq_Listing.txt

<211> 15

<212> PRT

<213> Mycobacterium tuberculosis

<400> 17

Ala Asn Ile Asn Gln Leu Met Thr Leu Gln Asp Tyr Leu Ala Thr
1 5 10 15

<210> 18

<211> 15

<212> PRT

<213> Mycobacterium tuberculosis

<400> 18

Leu Met Thr Leu Gln Asp Tyr Leu Ala Thr Val Ile Thr Trp His
1 5 10 15

<210> 19

<211> 95

<212> PRT

<213> Mycobacterium tuberculosis

<400> 19

Met Thr Glu Gln Gln Trp Asn Phe Ala Gly Ile Glu Ala Ala Ala Ser
1 5 10 15

Ala Ile Gln Gly Asn Val Thr Ser Ile His Ser Leu Leu Asp Glu Gly
20 25 30

Lys Gln Ser Leu Thr Lys Leu Ala Ala Ala Trp Gly Gly Ser Gly Ser
35 40 45

Glu Ala Tyr Gln Gly Val Gln Gln Lys Trp Asp Ala Thr Ala Thr Glu
50 55 60

Leu Asn Asn Ala Leu Gln Asn Leu Ala Arg Thr Ile Ser Glu Ala Gly
65 70 75 80

Gln Ala Met Ala Ser Thr Glu Gly Asn Val Thr Gly Met Phe Ala
85 90 95

<210> 20

<211> 100

<212> PRT

<213> Mycobacterium tuberculosis

<400> 20

Met Ala Glu Met Lys Thr Asp Ala Ala Thr Leu Ala Gln Glu Ala Gly
1 5 10 15

P03388US0_Seq_Listing.txt

Asn Phe Glu Arg Ile Ser Gly Asp Leu Lys Thr Gln Ile Asp Gln Val
20 25 30

Glu Ser Thr Ala Gly Ser Leu Gln Gly Gln Trp Arg Gly Ala Ala Gly
35 40 45

Thr Ala Ala Gln Ala Ala Val Val Arg Phe Gln Glu Ala Ala Asn Lys
50 55 60

Gln Lys Gln Glu Leu Asp Glu Ile Ser Thr Asn Ile Arg Gln Ala Gly
65 70 75 80

Val Gln Tyr Ser Arg Ala Asp Glu Glu Gln Gln Gln Ala Leu Ser Ser
85 90 95

Gln Met Gly Phe
100

<210> 21
<211> 15
<212> PRT
<213> Mycobacterium tuberculosis

<400> 21

Leu Thr Ala Thr Asn Phe Phe Gly Ile Asn Thr Ile Pro Ile Ala
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<210> 22
<211> 15
<212> PRT
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<400> 22

Tyr Phe Ile Arg Met Trp Asn Gln Ala Ala Leu Ala Met Glu Val
1 5 10 15

<210> 23
<211> 15
<212> PRT
<213> Mycobacterium tuberculosis

<400> 23

Leu Asp Pro Gly Ala Ser Gln Ser Thr Thr Asn Pro Ile Phe Gly
1 5 10 15

<210> 24
<211> 15
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<213> Mycobacterium tuberculosis

<400> 24

P03388US0_Seq_Listing.txt

Ala Ala Lys Leu Ala Gly Leu Val Phe Pro Gln Pro Pro Ala Pro
1 5 10 15

<210> 25
<211> 15
<212> PRT
<213> Mycobacterium tuberculosis

<400> 25

Glu Ser Leu Val Ser Asp Gly Leu Pro Gly Val Lys Ala Ala Leu
1 5 10 15

<210> 26
<211> 15
<212> PRT
<213> Mycobacterium tuberculosis

<400> 26

Leu Val Ala Thr Asn Phe Phe Gly Ile Asn Thr Ile Pro Ile Ala
1 5 10 15

<210> 27
<211> 15
<212> PRT
<213> Mycobacterium tuberculosis

<400> 27

Leu Met Ala Thr Asn Phe Phe Gly Ile Asn Thr Ile Pro Ile Ala
1 5 10 15

<210> 28
<211> 15
<212> PRT
<213> Mycobacterium tuberculosis

<400> 28

Met Val Ala Thr Asn Phe Phe Gly Ile Asn Thr Ile Pro Ile Ala
1 5 10 15

<210> 29
<211> 15
<212> PRT
<213> Mycobacterium tuberculosis

<400> 29

His Tyr Gly Glu Met Trp Ala Gln Asp Ala Leu Ala Met Tyr Gly
1 5 10 15

<210> 30
<211> 15
<212> PRT

<213> Mycobacterium tuberculosis

<400> 30

Asp Tyr Val Arg Met Trp Leu Gln Ala Ala Ala Val Met Gly Leu
1 5 10 15

<210> 31

<211> 15

<212> PRT

<213> Mycobacterium tuberculosis

<400> 31

Gln Tyr Ala Glu Met Trp Ser Gln Asp Ala Met Ala Met Tyr Gly
1 5 10 15

<210> 32

<211> 61

<212> PRT

<213> Mycobacterium tuberculosis

<400> 32

Met Ala Thr Thr Pro Ser Leu Pro Glu Ile Ala Ala Asn His Ile Thr
1 5 10 15

Gln Ala Val Leu Thr Ala Thr Asn Phe Phe Gly Ile Asn Thr Ile Pro
20 25 30

Ile Ala Leu Thr Glu Met Asp Tyr Phe Ile Arg Met Trp Asn Gln Ala
35 40 45

Ala Leu Ala Met Glu Val Tyr Gln Ala Glu Thr Ala Val
50 55 60

<210> 33

<211> 52

<212> PRT

<213> Mycobacterium tuberculosis

<400> 33

Ala Met Val Pro Pro Pro Val Val Ala Ala Asn Arg Ala Gln His Met
1 5 10 15

Ser Leu Val Ala Thr Asn Phe Phe Gly Gln Asn Thr Pro Ala Ile Ala
20 25 30

Ala Thr Glu Ala Gln Tyr Glu Glu Met Trp Ala Gln Asp Ala Ala Ala
35 40 45

Met Tyr Gly Tyr
50

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